

Appl. No. 10/634,495
Amdt. Dated 05/14/2004
Reply to Office Action of 03/05/2004

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A brake system for a human powered vehicle including at least one wheel, said braking system comprising:

a plurality of elongate mounting brackets having opposed end portions connected to a frame of a wheelbarrow and an axle passing through a wheel of a wheelbarrow respectively, one said plurality of mounting brackets having a plurality of protrusions spaced thereacross and extending between the wheel barrow frame in a direction substantially orthogonal to said axle, other ones of said plurality of mounting brackets being slidably attachable to said axle and adjustably connectable to said plurality of protrusions so that a spatial relationship between said plurality of mounting brackets can be readily retrofitted onto existing wheelbarrows having various wheel dimensions;

a plurality of levers including first end portions pivotally connected to said plurality of mounting brackets respectively, said plurality of levers further including second end portions disposed rearwardly from said first end portions respectively;

a plurality of brake pads connected to said plurality of levers and extending inwardly towards opposed sides of a wheel of a wheelbarrow respectively;

a brake handle connected to a frame of a wheelbarrow; and

cable means cooperating with said brake handle for causing said plurality of brake pads to engage and disengage a wheel of a wheelbarrow, said cable means being connected to said brake handle and to said second end portions of said plurality of levers respectively.

2. (original) The brake system of claim 1, wherein said cable means comprises:
a support member;
a first elongate cable having opposed end portions connected to said brake handle and said support member respectively;

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a second elongate cable connected to said support member and one said plurality of levers respectively; and

a third elongate cable connected to said support member and another said plurality of levers respectively.

3. (original) The brake system of claim 1, wherein said second end portions of said plurality of levers extend outwardly and away from a wheel of a wheelbarrow.

4. (original) The brake system of claim 2, wherein said support member is disposed substantially medially of said plurality of levers.

5. (original) The brake system of claim 1, wherein said plurality of mounting brackets are disposed on opposite sides of a wheel of a wheelbarrow.

6. (original) The brake system of claim 1, wherein said plurality of brake pads are disposed adjacent said first end portions of said plurality of levers respectively.

7. (original) The brake system of claim 2, wherein said support member is disposed rearward of said plurality of brake pads.

8. (currently amended) A human powered vehicle including a brake system and comprising:

a wheelbarrow including a frame and a wheel connected thereto;

a plurality of elongate mounting brackets having opposed end portions connected to said frame of said wheelbarrow and an axle passing through said wheel respectively, one said plurality of mounting brackets having a plurality of protrusions spaced thereacross and extending between the wheel barrow frame in a direction substantially orthogonal to said axle, other ones of said plurality of mounting brackets being slidably attachable to said axle and adjustably connectable to said plurality of protrusions so that

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a spatial relationship between said plurality of mounting brackets can be readily retrofitted onto existing wheelbarrows having various wheel dimensions;

a plurality of levers including first end portions pivotally connected to said plurality of mounting brackets respectively, said plurality of levers further including second end portions disposed rearwardly from said first end portions respectively;

a plurality of brake pads connected to said plurality of levers and extending inwardly towards opposed sides of said wheel respectively;

a brake handle connected to said frame; and

cable means cooperating with said brake handle for causing said plurality of brake pads to engage and disengage said wheel, said cable means being connected to said brake handle and to said second end portions of said plurality of levers respectively.

9. (original) The vehicle of claim 8, wherein said cable means comprises:

a support member;

a first elongate cable having opposed end portions connected to said brake handle and said support member respectively;

a second elongate cable connected to said support member and one said plurality of levers respectively; and

a third elongate cable connected to said support member and another said plurality of levers respectively.

10. (original) The brake system of claim 8, wherein said second end portions of said plurality of levers extend outwardly and away from said wheel.

11. (original) The brake system of claim 9, wherein said support member is disposed substantially medially of said plurality of levers.

12. (original) The brake system of claim 8, wherein said plurality of mounting brackets are disposed on opposite sides of said wheel.

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13. (original) The brake system of claim 8, wherein said plurality of brake pads are disposed adjacent said first end portions of said plurality of levers respectively.

14. (original) The brake system of claim 9, wherein said support member is disposed rearward of said plurality of brake pads.

15. (currently amended) A human powered vehicle including a brake system and comprising:

a wheelbarrow including a frame and a wheel connected thereto;

a plurality of elongate mounting brackets having opposed end portions connected to said frame of said wheelbarrow and an axle passing through said wheel respectively so that said plurality of mounting brackets become disposed on opposite sides of said wheel, one said plurality of mounting brackets having a plurality of protrusions spaced thereacross and extending between the wheel barrow frame in a direction substantially orthogonal to said axle, other ones of said plurality of mounting brackets being slidably attachable to said axle and adjustably connectable to said plurality of protrusions so that a spatial relationship between said plurality of mounting brackets can be readily retrofitted onto existing wheelbarrows having various wheel dimensions;

a plurality of levers including first end portions pivotally connected to said plurality of mounting brackets respectively, said plurality of levers further including second end portions disposed rearwardly from said first end portions respectively;

a plurality of brake pads connected to said plurality of levers and extending inwardly towards opposed sides of said wheel respectively;

a brake handle connected to said frame; and

cable means cooperating with said brake handle for causing said plurality of brake pads to engage and disengage said wheel, said cable means being connected to said brake handle and to said second end portions of said plurality of levers respectively.

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16. (original) The vehicle of claim 15, wherein said cable means comprises:
a support member;
a first elongate cable having opposed end portions connected to said brake handle and said support member respectively;
a second elongate cable connected to said support member and one said plurality of levers respectively; and
a third elongate cable connected to said support member and another said plurality of levers respectively.
17. (original) The brake system of claim 15, wherein said second end portions of said plurality of levers extend outwardly and away from said wheel.
18. (original) The brake system of claim 16, wherein said support member is disposed substantially medially of said plurality of levers.
19. (original) The brake system of claim 15, wherein said plurality of brake pads are disposed adjacent said first end portions of said plurality of levers respectively.
20. (original) The brake system of claim 16, wherein said support member is disposed rearward of said plurality of brake pads.